TEXTILE BULLETIN

01. 65

SEPTEMBER 1, 1943

NO. 1

Anything and Everything

The versatility of SONOCO Products is not only a matter of plant and equipment—but is largely a matter of technical experience in solving new and strange problems for the Textile Industry.

During our 40 odd years, the SONOCO Laboratory has accumulated and stored information and experience that is on tap for any prospective user to draw upon.

Our production of items for war use has added immeasurably to this store of knowledge, most of which will one day be reflected in better service and products for the textile industry. TEXTILE PAPER

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O PAPER CARRIER

An Open Letter to the Textile Industry





Gentlemen:

As each day brings us one day closer to victory, we pause to extend our most sincere congratulations to the texmost sincere congraturations to the tex-tile industry for the giant strides in production made over these many months.

"The everlasting teamwork"... the "know-how" gained through years of experience ... the whole-hearted devotion to duty have turned yesterday's impossibilities into tomorrow's accomplishments.

Production tells its own story. Accomplishments such as yours merit the highest praise -- and help tremendously to bring the inevitable victory.

TI

BRANCHES: BOSTON, MASS. CHARLOTTE, X.C., CHICAGO, ILL. PHILADELPHIA, PA. PROVIDENCE, R. L. SAN FRANCISCO, CAL. MONTREAL, CANADA

...One Mill After RCK Scores of mills from Massachusetts to Alabama are buying it!



Above is a photograph made in an Outstanding Broadcloth Mill in Georgia. All of the flyers have been treated with RCK.

RCK IS A SMOOTH, GLOSSY, BLACK, RUST-RESISTING FINISH for FLYERS

In this process Flyers are chemically treated in a series of high-temperature liquid baths which produces a penetration into the metal itself. There is no build-up on the surface; thus all danger of peeling, cracking, scaling, etc., is eliminated.



All flyers are precision-balanced at highest running speeds with our Ideal Balancing Machine.

We completely rebuild your spindles to fit your flyers. Worn flyer barrels are swaged to the original standard size and taper.

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19th YEAR OF CONTINUOUS SERVICE TO THE TEXTILE MILLS



Starting September 9th, your Government will conduct the greatest drive for dollars from individuals in the history of the world-the 3rd War Loan.

This money, to finance the invasion phase of the war, must come in large part from individuals on payrolls.

Right here's where YOUR bond selling responsibilities DOUBLE!

For this extra money must be raised in addition to keeping the already established Pay Roll Allotment Plan steadily climbing. At the same time, every individual on Pay Roll Allotment must be urged to dig deep into his pocket to buy extra bonds, in order to play his full part in the 3rd War Loan.

Your now doubled duties call for these two steps:

1. If you are in charge of your Pay Roll Plan, check up on it at once-or see that whoever is in charge, does so. See that it is hitting on all cylinders—and keep it climbing! Sharply

increased Pay Roll percentages are the best warranty of sufficient post war purchasing power to keep the nation's plants (and yours) busy.

2. In the 3rd War Loan, every individual on the Pay Roll Plan will be asked to put an extra two weeks salary into War Bonds-over and above his regular allotment. Appoint yourself as one of the salesmen-and see that this sales force has every opportunity to do a real selling job. The sale of these extra bonds cuts the inflationary gap and builds added postwar purchasing power.

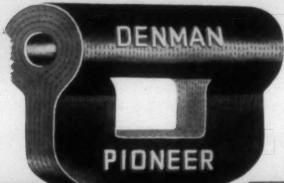
Financing this war is a tremendous task-but 130,000,000 Americans are going to see it through 100%! This is their own best individual opportunity to share in winning the war. The more frequently and more intelligently this sales story is told, the better the average citizen can be made to understand the wisdom of turning every available loose dollar into the finest and safest investment in the world-United States War Bonds.

BACK THE ATTACK

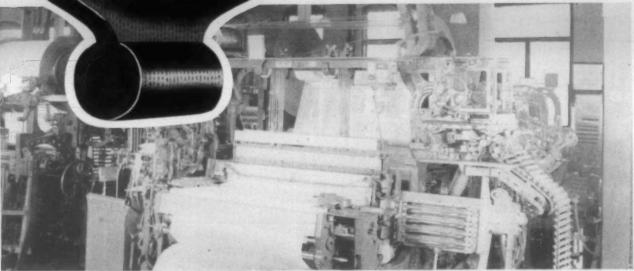


With War Bonds!

This space is a contribution to victory today and sound business tomorrow by TEXTILE BULLETIN



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Special Slide Rod Bearing Requires No Dipping

Longer Wear, Fewer Stoppages mean Lowest Cost Per Loom Per Year



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MANUFACTURED BY DENMAN TIRE AND RUBBER CO.

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FUNGICIDES for all types of Government Fabrics

Highly Efficient - Non-Toxic - Non-Irritating

FUNGICIDE M: a single product combining a mildew inhibitor and water repellent for producing a mildewproof water repellent finish on cotton in one operation.

FUNGICIDE P. G.: an anti-mildew agent for mildewproofing cotton by the two bath process.

FUNGICIDE G: used in conjunction with water repellents in a one bath treatment to mildewproof cottons and impart a water repellent finish.

FUNGICIDE A: for cloth coating processes — dissolved directly in the resin solution.

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Guest Editorial

From Guadalcanal to the folks in the textile mill back home—

that's the story of this month's

guest editorial. This letter was

written by a former loomfixer

in a Southern plant who had no

idea that it would be published.

The fact that it is unsolicited, however, makes it even more

impressive.

July 29, 1943.

Dear Friends:

I guess I've neglected writing you lately, but time is usually spent here getting in the required amount of sleep. Since it's winter here now the days are a little cooler than your summer back there now and the nights are really swell for

sleeping. The natives here are much lighter in color and much more intelligent than any other place I've been. They like the American cigarettes, especially Camels and Luckies, and they do a good job of smoking them, one right after another. They are very friendly but lazy and you can't trust them. They steal and lie and usually over

charge you for most anything you buy from them. The officials, however, have set standard prices and the boys have learned to watch them pretty close so we have very little trouble with them.

The boys around camp now are all in fair moral health. Their topic for conversation is usually about home; how they would like to be there, what they will do when they get back, and how well they would like to take someone's place back home in the factories, where people were striking and staying at home off their job for no reason at all. Even these natives here are asking questions about what is wrong with the American people, sending their sons overseas to fight for them, then those lucky ones at home strike or stay away from their jobs for no good reason. The person who doesn't go to work when he or she is physically fit is just as guilty as the man or woman who strikes in the coal mines or steel mills. Now, even some of you may think your

job isn't important to the war effort. Well, a lot of those little jobs back there add up to spell that word Victory. We can't win unless those people back home give us the things we need most — first, material, then confidence, confi-

dence in the people back home, that they are behind us 100 per cent, that they are doing their part by doing their job right wherever they may be. Or whatever their job may be. It may save one of their boys lives, and it's sure to make his life easier for them while they are away from their friends. We have still a long way to go

before this war is won. The boys in the khaki uniforms are ready to give that smashing last blow. Why can't the American people give them the clothes and equipment to finish the job. Is it because they are so selfish and full of greed that they don't have time to think of winning the war. They had better wake up or one of these days they will find that the American way of living has been changed by the Axis. They will be calling for your money, your daughters and sons.

This letter has turned out to be more of a lecture than news. I just thought I'd let you know that we know what's going on back home and that we, along with you, can't understand it, nor like it. I'd just like the chance to be back there working any amount of hours, just to be near my family and friends.

Well, news is rather scarce here nowdays so I'll say so long for now. Keep the wheels turning and we are sure to come out on top *soon*.

Best wishes—

Your friend.



... and you'll know why Armstrong's Cork Cots SERVE THE MOST SPINDLES

RUB your thumb—hard—along the velvety smooth surface of a cork cot. Feel the resistancethe friction?

Nature gave cork a unique cellular structure. Millions of microscopic cells give a cork cot its high coefficient of friction.

It's this "grip" in Armstrong's Cork Cots that assures uniform drafting . . . which means strong yarn. This same friction prevents "eyebrowing" and thus helps keep yarn free of slugs.

In making cork cots, Armstrong combines cork's superior "grip"plus its compressibility, resilience,

toughness, and imperviousness to liquids-with the uniformity of a manufactured composition. That's why mills using Armstrong's Cork Cots produce high-quality yarn, get efficient machine performance, better running work, and enjoy the lowest roll covering costs.

And that's why more spindles, over 9,750,000 of them, are equipped with Armstrong's Cork Cots than with any other roll covering.

You need no priority rating to get prompt delivery of Armstrong's Cork Cots. (More cork is available than ever before.) To find out what these cots can do for you, write for

a free copy of the fact-filled booklet, "Modern Textile Roll Coverings." Address Armstrong Cork Company, Textile Products Section. 8209 Arch Street, Lancaster, Pa.

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TEXTILE BULLETIN



Vol. 65

September 1, 1943

No. 1

Womanpower

IN THE TEXTILE INDUSTRY

By JAMES T. McADEN, Associate Editor

IN discussing the reasons why his plant had won the Army-Navy "E" award, the manager of one of the South's large textile mills mentioned emphatically the part that women workers had played in keeping production at a peak. He stressed the fact that if it had not been possible to find women in large numbers to replace many men called into service—women who put energy into every assignment that was given them—there would have been many times when machinery was idle. Thus R. D. Harvey thanked the women at the Lindale, Ga., plant of Pepperell Mfg. Co.

In every announcement of an "E" award, officials state that the pennant is to be presented "to the men and women" of the plant to be honored. The ability of women

textile workers is recognized generally, but what of the particular problems which mill executives have been faced with in dealing with women workers? What effect does plant work have on the health, the disposition, the home life of women who have accepted employment "for the duration," until the men of their families return from service in the armed forces to resume their jobs? Women workers are not strange to the textile industry, but their number has been growing and will continue to grow as long as the Selective Service regulations are in effect.

When Congress declared the United States a participant in World War I in 1917, women had no vote. Their place in industry was minor. Today, in our second year of World War II, women not only have a voice in government, but are the labor saviors of the nation's vital war production program. In 1917, women were popularly supposed to "keep the home fires burning." In 1942, by proclamation of the War Manpower Commission of the U. S. Government, they are depended upon to keep factories at production peaks while all available manpower goes to war.

According to this proclamation, "Increasing participation of women in our all-out war production effort is essential to its success. War production alone employed about 1,400,000 women as of December, 1941. This figure had gone to 4,500,000 by December, 1942, and will climb to 6,000,000 by the end of 1943. By then, women will represent at least 30 per cent of the labor force employed in war

production.

Over 18,000,000 women must be gainfully employed by the end of 1943, so 5,000,000 women must be added to the total number of women now employed. This means that one out of every six women over 18 years of age not belonging to the labor force will be needed, and one out of every four housewives, perhaps one out of every three, between the ages of 18 and 44 will be employed.

This development presents new problems to every textile mill operator who has not previously employed women generally in plant processes, or who has employed them only on a minor scale.

These problems include plant re-engineering; replanning plant layout; revising standards of work measurement and time; relating cost factors to: (a) temperament; (b) produc-



High bidders for the title of best dressed defense workers are these women textile workers posed atop bales of cotton at Bibb Mfg. Co., Macon, Ga. The blue uniforms, and others similar to them, are said to help women workers realize the importance of their war jobs.

duction ability; (c) intensity of application; supervisory training; dress; accident prevention; housing and transportation; nutrition and health; morals and morale.

The Bureau of Labor Statistics estimates that a shortage of some 6,000,000 workers is in prospect for late 1943. With the exception of a few hundred thousand boys of pre-draft age, this gap will have to be plugged almost entirely by women—mostly women who have never before been gainfully employed and who are not driven to work by economic necessity.

With an estimated requirement of 5,000,000 additional women workers looming for 1943, it becomes necessary to examine closely the sources from which these new women

workers must be drawn.

The Women at Home

e The big reserve is the 29,600,000 women who are either housewives or at home. Of this reserve the greatest employment potential is provided by the 4,900,000 women under 45 who have no children under ten. It is estimated that in a pinch half of this group could be moved to the assembly lines.

Some 8,700,000 women of the reserve group are under 45, but with children under ten. The Bureau of Labor Statistics figures that labor can possibly absorb no more

than 1,100,000 from this class.

The immediate and speedy development of an aggressive program to encourage and facilitate the increased utilization of older women in the war effort is being stressed by the War Manpower Commission's Women's Advisory Committee. Employment restrictions against older women are much



These four young women are holding down major jobs at Southern Friction Materials Co., Charlotte, N. C. Left to right, they are Miss Helen Smith, in charge of the service department; Miss Rebecca Smith, assistant secretary; Mrs. David Pickard, who runs the laboratory; and Mrs. James Bonner, personnel manager. The company is best known as the developer of "Cottonleather," a treated fabric making good as a substitute for leather.

more severe than in the case of older men, despite the fact that women constitute the major part of the total reserve of older workers.

Actual employer experience with older workers (both men and women) has indicated that even where their productivity per unit of time has been relatively lower than that of younger workers, there have been other compensating factors. They are judgment, carefulness, concentration, patience, experience—factors which pay dividends in quality of product, salvage from waste and rejects, and often in long-run output.

It has been shown that while absenteeism on account of illness is generally higher for older workers, absences for other causes are much less frequent than for other workers—probably due to greater concern over job retention and

a greater feeling of job responsibility.

Turnover rates among older workers are usually lower than for younger workers. The former are generally more

settled and do less shopping around.

Women applicants for employment should be given a thorough pre-placement physical examination. The examining physician should be furnished complete information regarding the job for which the applicant is considered so that the candidate can be placed most advantageously from the standpoint of health, safety and production.

Companies employing many women use aptitude, intelligence and achievement tests in making placements to insure

best use of native abilities and interests.

The Machinery Factor

Improper adjustment of machines and equipment is the primary cause for accidents. More women are injured by machinery accidents than any other way. They occur frequently in connection with power presses, power cutting, sewing and knitting machines. Therefore, in employing women, machines must be adapted to them, not only to reduce accident hazards but to insure effective standards of production.

When women are placed on machine jobs ordinarily done by men, it is important that adjustments be made at all points of operation. Machine guards should be set close enough that women's smaller hands cannot enter the openings. Height of benches, distances away from piece parts, and foot or hand pedals on controls should be reset to conform to the generally shorter stature and reach of women. Platforms may be provided for women to stand on, for some jobs. Smaller size of hand tools may also be sometimes advisable.

Every job involving handling heavy materials should be equipped, where possible, with mechanical handling devices, such as hoists, cranes and mechanical lifts.

Conveyor systems are the solution for work where there is a continuous flow of material in one direction.

Many of the state codes require a minimum number of toilet facilities of specified sizes, according to the number of persons employed; also that retiring and dressing rooms with specified comfort equipment, such as cots, be provided for women, according to the number employed.

Good housekeeping is one of the most important phases of plant operation, contributing as it does to accident prevention, work efficiency and employee morale. Good housekeeping should be maintained not only in work areas, but also in toilet, rest, dressing, recreational and eating rooms.

(Continued on Page 36)

John P. Maguire & Company

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CORRESPONDENCE INVITED

A Streamlined System of Baling Cloth

By DAVID CLARK, Editor

(Official photographs, U. S. Army Air Force.)

HE had never worked in a cotton mill before, but when H. W. Warren of Atlanta, Ga., was placed in charge of the cloth shipping room at the big Charlotte (N. C.) Quartermaster Depot he became impatient at the time and labor required to bale the large amounts of cloth shipped from the depot each day.

When rush shipments were called for, he did not like to see the baling press idle while the bottom wrappings were laid in place, the cloth piled upon them and the top wrappings put in position and adjusted. He also did not like the labor and effort required to turn the bales over several



Placing bottom wrappings upon a pallet.

times while they were being sewn and stenciled.

Mr. Warren became so much irked that, with a good deal of figuring, he developed a system which has eliminated most of the things to which he objected, and incidentally, has reduced the labor and expense of baling cloth by fully 50 per cent. Actual time in the baling machine is two minutes and ten seconds.

Approximately 75 textile mill operating executives gath-



Rolling bale in place for stenciling and sewing.



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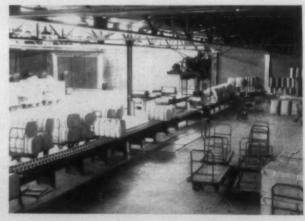
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by TH

Compressing a bale of cloth.

ered at the depot August 27 to see the system in operation. The mill men, who came from North and South Carolina and Georgia, witnessed the baling of a large quantity of 8.2 Army twill made at Erlanger Mills, Lexington, N. C. Those who attended the demonstration were the guests of TEXTILE BULLETIN.

After designing wooden pallets Mr. Warren arranged to place several of them at one time upon a roller track (as shown in the upper left hand picture), and upon each of these stacked cloth ready for baling just as had been done in the regulation baling procedure. Empty pallets are stored



Overall view of Warren cloth baling system,

on a lower roller track after being returned from the baler and then are lifted by an elevator to the level of the upper track when ready for use again. It's a continuous and systematic process.

When ready for baling, each pallet and its prepared load of cloth is pushed forward upon the roller track to the baler. When pressure is put on the cloth the track has

(Continued on Page 31)



PRACTICAL TEXTILE DESIGNING

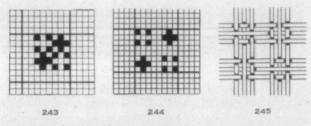
By THOMAS NELSON, Dean Emeritus of the Textile School, North Carolina State College, Raleigh

PART SEVENTEEN

The author takes up "mock," or "imitation" leno in the current installment of his series on the fundamentals of textile designing. His next topic will be diamond designs, to be discussed in the September 15 issue of Textile Bulletin.

THE weaves known as "mock" and "imitation" are used extensively in the cotton goods trade for such fabrics as curtains, dress goods and shirtwaistings, as well as in combination with other weaves.

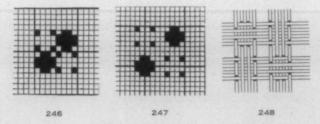
Fig. 243 illustrates the three and three imitation leno weave. The threads in this weave run in groups of three, the outer threads of one group weaving directly opposite to the outer threads in the next group. This causes a break in the threads, and they are kept apart a certain distance,



thereby producing an open fabric. The picks also run in groups of three so that a break is made in the filling.

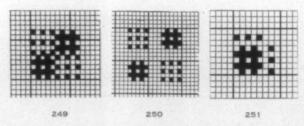
Fig. 244 illustrates this weave divided into four sections, showing at once the arrangement of the weave, and Fig. 245 illustrates the weave enlarged in diagram form. These fabrics are reeded three threads in a dent. If a more open fabric is required an empty dent is left between the groups.

Fig. 246 illustrates the four and four imitation leno weave. Fig. 247 shows this weave dicided into four sec-



tions. Fig. 248 illustrates it enlarged in diagram form. It will be noticed that the outside thread in each group weave is opposite to the outside threads in the next group, and the inside threads float over one group and under the next group of picks.

These weaves are generally made from one warp and as there is a difference in take up of the threads owing to the outer threads having more intersections, the warps have to be woven tightly so as to prevent the warp and filling from kinking. This also assists in making a more compact grouping of the threads, as the outer threads which weave over



and under on the same picks will close in together, while the center threads will ride over and under these threads.

This weave is also used to produce other effects than that of imitation gauze fabrics. When coarse yarns are used the break is made after each group but not to the same extent as in fine yarn. Fabrics made from this weave are often sold as basket weaves, and when mercerized yarns are used, exceptionally good effects are obtained.

Fig. 249 illustrates the five and five imitation leno weave.

Fig. 250 illustrates this weave divided into four sections. For best effect the threads should be reeded five in a dent, with an empty dent between the groups if the fabric is not sufficiently open.

Fig. 251 illustrates the five and one imitation leno weave, showing single thread and pick separated from the five threads by one line of squares. This is one of the best open effects that is made, and is generally reeded as follows: five threads in one dent; skip a dent; one thread in one dent; skip a dent.

When using this weave for a stripe effect in combination with other weaves it is advisable to begin with the five threads in one dent and end with the same on the opposite side, as this will give a better looking stripe.

Fabrics Made From These Weaves

Fig. 252-A illustrates a curtain fabric in combination with an extra warp figure on a plain ground. The three and three imitation leno weave is used between the extra warp stripes.

Fig. 252-B illustrates a cotton warp, rayon filling dress goods fabric. The three and three imitation leno weave is

(Continued on Page 34)



BURKART-SCHIER CHEMICAL CO., Chattanooga, Tenn.

MANUFACTURING CHEMISTS FOR THE TEXTILE INDUSTRY

PENETRANTS • DETERGENTS • SOFTENERS • REPELLENTS • FINISHES

Campbell Is Named Dean of Textile School At N. C. State College

Malcolm E. Campbell of New York City has been elected dean of the textile school at North Carolina State College, Raleigh, succeeding Dean Thomas Nelson, who had reached the legal retirement age but will remain as dean emeritus and professor of designing.

Dean Campbell was elected under the new plan whereby



Malcolm E. Campbell

his salary will be supplemented by the North Carolina Textile Foundation, Inc., which was organized primarily for the purpose of enabling the textile school to obtain outstanding teachers.

Because of the long and valuable service rendered by Dean Nelson, and the high regard in which he is held by the many who have studied under him, the North Carolina Textile Foundation, Inc., will supplement his retire-

ment salary so that he will continue to receive the same amount which he received while dean.

Malcolm E. Campbell was born at New Bedford, Mass., Jan. 25, 1902. He graduated at the New Bedford Textile School in 1922 and then spent some time working in mills at New Bedford and with the cotton department of Firestone Tiré & Rubber Co., Akron, Ohio. He was for three years assistant professor of textile engineering at Clemson College, S. C. While there he secured a B.S. degree from the college and married a daughter of Professor Shanklin of that school. They have two children, both girls.

For a number of years Dean Campbell was engaged in textile research for the U. S. Government and has specialized in the spinning values of cotton fibers. In 1935 he was sent to Europe to investigate textile research laboratories in six countries. For seven years he was senior cotton technologist for the U. S. Department of Agriculture and was very active in the work of Committee D-13 on textiles. He has also been an active member of the American Society for Testing Materials. In March of this year he left government service to become research manager of the Textile Research Institute, Inc., of New York, remaining at this job until resigning to accept the Raleigh position.

He will be the key man in mapping out a program of better and broader textile education at North Carolina State College. The funds normally provided for the textile school by the college will be supplemented by funds from the North Carolina Textile Foundation, Inc.

Dean Campbell plans to take immediate steps to employ a trained librarian and develop what is expected to be the most complete textile library in the world. It will be equipped with photostat machines in order to provide students with copies of any or any page of a book or magazine which they desire for their own use.

He will employ two men who will devote nearly all of their time to practical research in textile mills. One will devote his time to spinning and weaving mills and the other to knitting mills.

It is anticipated that men will be added to the textile school staff who will teach business and marketing, personnel management and time study. In addition, a woman art instructor will be added to the designing department.

Due to the likely small number of textile students during the war, these additions may not be made for some time.

Dean Campbell, however, has been instructed to make a study of textile education and make recommendations before a joint meeting of the executive committee of the trustees of the University of North Carolina, which includes North Carolina State College, and the executive committee of the North Carolina Textile Foundation, Inc.

N. C. Vocational Textile School Opens

The North Carolina Vocational Textile School was opened Sept. 1 for instruction in carding and spinning, designing and weaving and mill maintenance. At present, high school pupils from Mecklenburg and Gaston counties are enrolled, as well as adults now employed at various mills.

The courses offered are designed so as to give the students both theory and practice in the fields dealt with. Students will have three hours in class, part of which will be spent in classrooms studying processes and manufacturing methods, the rest operating machines making a product in correlation with classroom instruction.

According to Superintendent T. W. Bridges, "the student will attend the regular high school for one-half of the school day and the Textile School for the remainder of the school day. While in the high school he will receive instruction in the required subjects such as English, mathematics and history. Credit will be given toward the high school diploma for the successful completion of the work done in the Textile School—two units for one year's work."

Combed Yarn Spinners Will Meet Sept. 17

The Southern Combed Yarn Spinners Association will hold a streamlined annual convention at Charlotte, N. C., Sept. 17 with Judge Fred M. Vinson, director of the Office of Economic Stabilization, listed as the principal speaker.

Officers to serve during the ensuing year will be elected, and production problems will be discussed, according to an announcement by Mrs. Mildred C. Barnwell of Gastonia, N. C., secretary.

Judge Vinson will speak after a luncheon which will be served at 12:30 p. m. in Hotel Charlotte. The morning business session will be convened at 11 a. m. The concluding business session will follow the stabilization director's address.

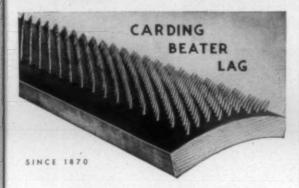
Attendance of approximately 300 representatives of mills holding membership in this association was forecast. The member mills operate approximately 1,500,000 combed yarn producing spindles, or about 98 per cent of this division of the South's textile industry. W. L. Balthis of Gastonia is president of the association.

Graphite Metal Bolster To Be Made

Kempton Parts & Spring Co. of Gastonia, N. C., announces production in the very near future of a graphite metal bolster, said to be an extraordinary improvement over the regular cast iron bolster now in general use.

By using the graphite metal bolster, says the manufacturer, friction on the spindle blade will be reduced, thus cutting down wear and requiring less power. Less vibration and smoother running is a result of the spindle being seated in graphite metal.

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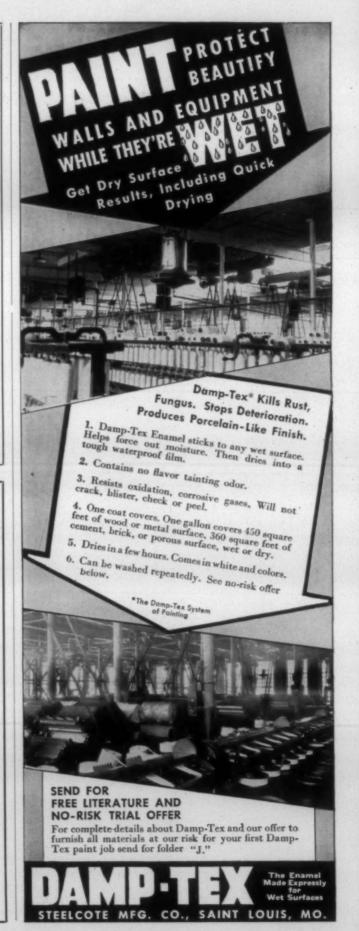
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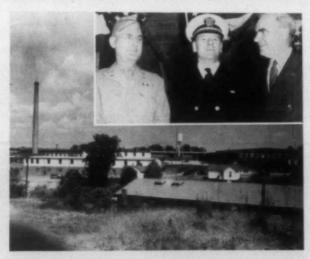
MILL NEWS

Brevard, N. C.—Pisgah Mills Co. has opened a mercerizing plant in Brevard which will employ approximately 30 workers. The company is also constructing a large addition to the main plant, according to W. H. Melton, general manager.

SALISBURY, N. C.—North Carolina Fabrics Corp. has been made a finisher licensee under the "Crown" Tested Plan of American Viscose Corp. It is now qualified to dye and finish rayon fabrics in accordance with standards established under the plan.

BENNETTSVILLE, S. C.—Synthetic Fabrics, Inc., has been chartered by the state to manufacture and sell rayon, nylon, cotton and other textiles with capital of \$2,000. Officers of the new firm are David D. Carroll, president and treasurer; J. A. Baugh, Jr., vice-president; and Julia Martha Stanley, secretary.

WARE SHOALS, S. C.—William Berry, vice-president and sales manager of the piece goods department of Riegel Textile Corp., has been appointed general sales manager, succeeding E. P. Lea, who has retired. Mr. Berry is also vice-president of the Ware Shoals Mfg. Co., Ware Shoals, and vice-president of the Trion Co. In the future, the gray goods department and the bleachery will be operated as the piece goods division and will be headed by Theodore Riegel, secretary of the corporation. Robert Schultheiss will be in charge of sales of fabricated articles and F. F. Carothers will be sales manager of the glove division.



For their excellent record in producing war materials, the workers of the Marshall Field & Co. manufacturing division's woolen mill at Spray, N. C., received the Army-Navy "E" award August 18. Inset in the picture of the mill above are shown three officials who took part in the "E" presentation ceremonies: left, Lieut.-Col. H. C. Kliber, executive officer of the procurement division of the Philadelphia Quartermaster Depot, who presented the award; center, Lieut. A. K. Davis, Jr., U. S. N. R., who presented the award pins; and right, Luther H. Hodges, vice-president of Marshall Field, who accepted the award for the company.

GREENSBORO, N. C.—Employees of Greensboro Weaving Co. have been awarded a plaque by the Liberty Mutual Insurance Co. for having attained two million man hours of continuous operation during a period lasting four years, four months and four days.

GREENVILLE, S. C.—Starcross, Inc., has been chartered by the state to manufacture and sell textiles of all kinds and to operate mills and warehouses. Authorized capital stock is 40,000 shares. Officers are P. C. Fant, president and treasurer, and J. M. Perry, vice-president and secretary.

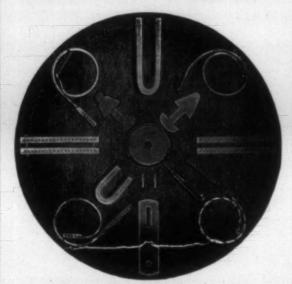
Spartanburg, S. C.—Approximately 100 of the 615 war housing accommodations for war workers in Spartanburg most likely will be built for employees of Beaumont Mfg. Co. The entire number, approved by the National Housing Authority, is needed for mill families, but difficulty has arisen in securing priority for building materials.

SAXAPAHAW, N. C.—A recent fire which threatened to destroy the entire plant of Sellers Mfg. Co. caused approximately \$500,000 damage through loss of yarn as well as smoke and water damage to building and equipment. The blaze was confined to the main spinning room, burning over a space around 100 square feet. It is believed to have started when a bolt of lightning grounded on electric lines under the spinning room floor. The plant will remain closed for about two weeks until damage has been repaired, according to B. E. Jordan, treasurer of the mill.

COLUMBUS, GA.—Expansion amounting to \$1,259,000 for the Columbus branch of Bibb Mfg. Co. has been given the go-ahead by the War Production Board for the production of rayon cord for synthetic rubber tires. The Columbus mill is one of four throughout the nation which will expand production of high-tenacity heat-resilient rayon used in heavy combat and industrial tires. Installment of new looms and twisters will require four to five months, A. A. Drake, Bibb vice-president, said in Macon, adding that the mill will employ some 325 additional personnel and will construct 160 new housing units for the employees.

ROCKMART, GA.—The War Production Board has approved an important expansion project of the Goodyear-Decatur Mills for the production of rayon cord fabric for use in synthetic rubber tires, provided the plant is located at Rockmart, it was announced in Washington recently. The Goodyear-Decatur firm some time ago proposed to spend \$1,247,000 on construction of a new factory building and the purchase and installation of machinery for twisting and weaving rayon cord fabric. WPB disapproved the project for location at Decatur, Ala., because of other war industry in the community which has a reported labor shortage, but said it would consider a different site. Rockmart was suggested and approved.

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77 Years of Service to the Textile Industry

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285 Madison Avenue New York 1011 Johnston Bldg. Charlotte, N. C. LOSING TOO MANY MINUTES IN THE KIERS?



EXSIZE, for desizing, may reduce rinsing and boiling time!



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One of the best ways to cut time and expense in the kiers is to use EXSIZE, the pure malt enzyme desizer. EXSIZE is thorough and speedy in the removal of all starch-base sizing.

A fabric desized with EXSIZE goes to the kiers almost 100% free of sizing, therefore cleaner and requiring a shorter after-rinse and boil. In the bleaching and dyeing steps, this cleaner cloth may affect still another saving—in the quantities of chemicals needed. That's important today!

The malt enzymes in EXSIZE are as safe as they are effective in desizing even the finest of vegetable, animal or synthetic fibres. There are no acids, harsh chemicals or alkalis in EXSIZE.

To the economy of using EXSIZE, you can add economy in buying it! EXSIZE may be a money saver for you in all ways. Send for a free booklet — and, if you desire, one of our field men will call to discuss your problem. There's no obligation.

PABST SALES COMPANY CHICAGO, ILLINOIS

Warehouses at New York, and Textile Warehouse Company, Greenville, S.C.



Z PERSONAL NEWS 5

Culver Batson has resigned as division manager and superintendent of Consolidated Textile Corp., Lynchburg, Va.

A. B. Brown of Lincolnton, N. C., has returned to his former position as night superintendent of Harden (N. C.) Mfg. Co.

E. D. Maynard, Jr., son of the superintendent of Chronicle Mills, Belmont, N. C., is now an aviation cadet at Nashville, Tenn.

W. S. (Bill) Terrell of Terrell Machine Co. recently won the Myers Park Club invitational golf tournament at Charlotte, N. C.

New No. 65
WRENCH
Saves
Travelers
and
TIME



The use of well-designed "putting-on tools" saves travelers, a desirable economy in view of the metal shortages, but, more important, it saves time. Traveler changing is speeded up materially, "green" operatives learn that job faster, and frames are put back in production with less delay.

The No. 65 Wrench recently designed by Victor has unique advantages for applying vertical travelers. It makes proper application easy, ends traveler breakage, and provides the same close control for a wide range of traveler sizes.

The two blades of the wrench are placed on opposit sides of the traveler. When they are squeezed together, the traveler is brought into its proper position at right angles to the ring. Lifting the wrench then snaps the traveler on.

The No. 65 is one of several new wrenches described in the revised Victor Wrench Circular. Write for a copy, or ask a Victor Service Engineer.

VICTOR RING TRAVELER COMPANY



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VICTOR

Ring Travelers

Commander Thurmond Chatham, U. S. N. R., president of Chatham Mfg. Co., Elkin, N. C., has been assigned to active duty at sea.

Sergeant Albert G. Myers, Jr., son of the president of Textiles, Inc., Gastonia, N. C., recently received his Air Corps wings at Langley Field, Va.

M. T. Hartsell, formerly overseer of carding and spinning at Kindley Cotton Mills, Mt. Pleasant, N. C., is now overseer of carding at Stowe Mills, McAdenville, N. C.

William Lee Mills, Jr., who was an overseer at Cannon Mills Co., Kannapolis, N. C., before entering the Army, has been promoted to first lieutenant at Fort Dix, N. J.

B. Ellis Royal, associate editor on leave from TEXTILE BULLETIN, has been promoted to captain at his Air Corps station, Boca Raton Field, Fla.

LeRoy H. Smith, manager of the Roanoke, Va., plant of American Viscose Corp., has been appointed to serve on a special committee to improve conditions among teen-age youths in Roanoke.

Raymond E. Henderson, formerly superintendent of the Graniteville Co. at Graniteville, Vaucluse and Warrenville, S. C., is now superintendent of the Dan River division of Riverside & Dan River Cotton Mills, Danville, Va.

Miss Gloria Bolt, daughter of J. Manning Bolt, superintendent of Mathews Cotton Mill, Greenwood, S. C., was married Sept. 1 to Harold B. Morse of Greenville, S. C., who recently received his wings after finishing the Army aviation cadet course at Spence Field, Moultrie, Ga.

William W. Goodman, vice-president and treasurer of American Finishing Co., Memphis, Tenn., has been promoted to the rank of lieutenant-colonel. He has been on the Army Air Forces headquarters staff in Washington.

Jack Alexander, Jr., son of the representative of Slip-Not Belting Corp., graduated recently at the anti-aircraft officer training school at Camp Davis, N. C. The newly-commissioned officer is now stationed at Fort Bliss, Tex. His father, Jack Alexander, has headquarters at Charlotte, N. C.

Vernon A. Graff has succeeded the late H. Raiford Gaffney as manager of the Atlanta, Ga., plant of Steel Heddle Mfg. Co. Barney Cole has in turn been made director of sales of the Atlanta division. D. W. Macintyre, long associated with the Southern textile industry, has been appointed a field engineer with headquarters in Atlanta.

F. T. Roberts, assistant to the plant manager of S. Slater & Sons, Inc., Slater, S. C., has been promoted to chief of the cost and production control department of a chain of five textile mills with headquarters at Greensboro, N. C. He will be in charge of this work for Carter Fabrics Corp. at Greensboro and South Boston, Va., Cleveland Cloth Mills at Shelby, N. C., Stanley (N. C.) Mills, Inc., and S. Slater & Sons, Inc.

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Uneven card sliver is usually due to Doffer and Top Flats getting out of adjustment because of bearing wear. Dripping, leaking oils do not prevent wear — they don't stay in bearings long enough.

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Reporter & Commentator Disloyalty

Soon after we lost the Philippine Islands, a man who holds a very high position in our armed forces told the editor of this publication that it was his opinion that the loss of those islands could be blamed upon American newspaper reporters and commenta-

He said that at the time of Pearl Harbor enough war materials and planes were on ships headed for the Philippines to have made its defense almost certain, but that newspaper reporters and commentators, ignoring the requests of the War Department, published information about the shipments and that the Japs struck at least thirty days earlier than they had originally planned.

When General MacArthur left Corregidor for Australia, newspapers and commentators again were requested not to publicize the fact that he left on a motor boat which had slipped into the harbor, but some again ignored the request and upon the basis of that information the Japs began to drop bombs upon the few landing places at Corregidor and made it difficult for motor boats to carry on evacuation.

It is the opinion of high ranking men in the War Department that many American officers and men, who now languish in Japanese prison camps, would have been evacuated had our newspapers and commentators been willing to withhold the information relative to the method of evacuating General Mac-

The recent conference at Quebec, Canada, was held primarily to decide upon strategy against the Japanese, and Russia, not being at war with Japan, definitely could not participate.

Every reporter and commentator was well aware

of that fact but some needing something about which to write or speak began to build up the idea that Russia had refused to participate because the United States and Great Britain had not opened a second front in western Europe.

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They knew that Russia was our ally and that good feeling and co-operation was most important, but in order to have something to write or broadcast they were willing to intimate that Russia had refused to attend when they knew that Russia could not attend a conference dealing with war upon Japan.

Drew Pearson of the Washington "Merry-Go-Round" published a statement to the effect that Secretary of State Cordell Hull was violently anti-Russian, which statement has been vehemently denied by Secretary Hull.

Drew Pearson had no authority to speak for Secretary Hull and we doubt that he had any way of

knowing Hull's attitude towards Russia.

Even if Secretary Cordell Hull was anti-Russian, no man who placed the interests of the United States ahead of his own personal interests would have published the statement about Hull because he would know that the idea of the Secretary of State of the United States being violently anti-Russian would do much to strain our relations with an ally who is doing a wonderful job killing Germans and destroying German war materials which might be used to kill American boys.

It seems to us that loyalty to his country would have influenced a newspaper man to suppress such a story, if true, but Drew Pearson appeared to be willing to sacrifice the interest of his country and risk a breach with our ally in order to get credit for a sensational story.

We consider that Drew Pearson has been guilty of the most contemptible piece of newspaper work

in recent years.

Winston Churchill in his broadcast from Canada said that the Allies did not intend to invade the western coast of Europe until such time as they were certain that it would be successful and, to us, that makes

Some newspaper reporters and commentators, influenced either by a desire for a story or their old love for Russia while it was trying to start a world communist revolution, keep prodding the leaders of the Allies about establishing a second front.

They have been told that to start a second front, before it is reasonably safe to do so, will mean 500,-000 to 1,000,000 casualties among the young men of the United States, Canada and Great Britain, but they appear to be willing to risk the lives of others in order to sell a story or make a broadcast more inter-

Maybe they are not really disloyal to their country but they are certainly placing their own interest ahead of that of our soldiers.

The leaders of the armed forces are doing a mag-

nificent job and we know of no one who now has any doubt about ultimate and complete victory.

They are proceeding cautiously and carefully and our small casualty list is evidence of the wisdom of their movements.

When the right time comes they will invade the western coast of Europe. It is not right that they should be continuously annoyed by some reporters and some commentators who appear to consider their opportunity to put out a story more important than the welfare of their country.

In Parallel Columns

On the same page and in almost parallel columns of a newspaper we recently noted the following stories:

Washington, Aug. 19.—Although dying from wounds, Sergeant G. P. Corl, gunner on a B-26 marauder bomber of the United States Army Air Forces, crawled to his gun, shot down an attacking Messerschmitt over Sicily and photographed it as it crashed to earth in flames, the War Department said today.

Corl, of Denver, died as he was being lifted from the bomber after it was landed in North Africa. 19.—A strike of 800 workers at West Point's Stewart Field and at an auxiliary field at Galeville threatened to interrupt flight training of the United States Military Academy aviation cadets, officials said today.

The strike was called by

West Point, N. Y., Aug.

The strike was called by the Building Trades Council of Newburgh, N. Y., and it was intimated that they desired the district engineer to force a contractor at Montgomery airport, nearby, to enter into a union agreement.

An American bomber gunner gave his life for his country while 800 workers at an aviation field quit work at the command of labor organizers because a contractor had not signed a contract with the union.

Those who by a strike interrupted flight training should be placed in parallel columns with the Germans who shot heroic Sergeant G. P. Corl.

The Germans were at least fighting for their country. Even they might object to being in the company of those who struck against their country.

New Baling System

On page 12 of this issue we are publishing a description of a cloth baling system which has been devised at the U. S. Army Quartermaster Depot, Charlotte, N. C., and which is claimed to reduce, by 50 per cent, the labor ordinarily required. H. W. Warren, formerly of Atlanta, Ga., who had never worked in a cotton mill prior to taking charge of the cloth shipping room at the depot, devised the system.

On our invitation and that of Colonel C. W. Woodward, commanding officer of the Charlotte Quartermaster Depot, between 75 and 80 cotton mill superintendents, overseers of cloth rooms and master mechanics met us by appointment on Saturday, August 28th, and inspected the new baling system in a body.

Two Attitudes

1941

Chapel Hill, N. C., June 1, 1941—Lee Wiggins, president of the American Student Union, and Bill Joslin, chairman of the Carolina Political Union, two of the dozen students sponsoring the "We Won't Fight Rally," said today the idea was "spontaneous and originated with students here and was in no sense motivated from the outside."

1943

Lee Wiggins recently graduated from an officers training school and is now an officer in the United States Army.

Lee Wiggins came from a very fine and patriotic South Carolina family and it would have been unusual if he had not fought for his country.

The above incident proves what we have often said about the radical and communistic group of professors at the University of North Carolina.

Those professors got a hold upon the student Lee Wiggins and influenced him to such an extent that he presided over a "We Won't Fight Rally."

When he was back home and out from under the influence of those professors, he reacted naturally and joined our fighting forces.

The professors who influenced him are still at the University of North Carolina and still drawing salaries from funds provided by the taxpayers of North Carolina.

They are in no great numbers but are biding their time, and when the war is over and it is again safe to advocate radicalism and revolution, will again work upon the minds of those students whom they can influence.

Meeting of Combed Yarn Group

The annual meetings of the Southern Combed Yarn Spinners Association are always well staged and well attended.

This year the meeting at the Hotel Charlotte, Charlotte, N. C., will be featured by an address by Judge Fred M. Vinson, director of the Office of Economic Stabilization, Washington, D. C., and will be unusually interesting.

Due to the food situation reservations will have to be made in advance with Mrs. Mildred G. Barnwell, secretary, Gastonia, N. C.

This Month's Guest Editorial

The guest editorial on page 7 of this issue was not written as a guest editorial. In fact, the writer never had any idea that his letter would be published.

It was a letter from a former loom fixer in a South Carolina cotton mill, who has been fighting the Japs near Guadalcanal, to some friends in his home town.

We are publishing his letter because it gives the viewpoint of those who are risking their lives in jungles and against Japanese guns.



ROUGHING UP the worn surface on the same loom crankshaft preparatory to metallizing. Lathe tool is set slightly off center to produce a tearing effect. Threads are cut 18 to the inch. Into these recesses the molten metal is sprayed, giving a strong and permanent bond.



THE WORN SURFACE metallized and built up slightly oversize, the same loom crankshaft is now ready to be machined to size and put back into service. Because a metal sprayed surface has a slight porosity, this loom crankshaft will absorb lubricant for long, hard wear.



Put Scrap Textile Parts Back to Work Again with MOGUL METALLIZING

No longer is it necessary to scrap or replace vital and costly textile machinery parts which have outworn their usefulness. Today they are going back to work in hundreds of textile mills—restored as good as new at a fraction of their original cost—through Mogul Metallizing.

This amazing metal spray process—pioneered and developed by Mogul over the past twenty years—is not only the answer to today's parts replacement bottleneck, but will—long after the restrictions of war have passed—save time, money and materials in many a busy textile mill.

Some of the more general Mogul Metallizing textile applications are building up spindles, drawing rolls, sand rolls on looms, foom crank-shafts, size pump impeller shafts, spinning frame rolls, line shaftings, let-up shafts on looms, squeeze roll shafts, etc.

The procedure for building up a worn shaft by metallizing is a simple one. The part is first prepared by rough threading to provide a roughened surface to which the sprayed metal can cling. The spraying operation is accomplished by mounting the Mogul gun on the lathe tool post, perpendicular to the work and about five inches from it. After the part is built up slightly oversize, it is then machine finished to specified tolerances.

It will pay you to investigate the time and money-saving advantages of Mogul Metallizing equipment today. In writing, ask for the Equipment and Process catalog.



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MASTER MECHANIZES SECTION

Third Cylinder on a Slasher

SOME TIME ago the Pacolet Mfg. Co. Plant No. 4 at New Holland, Ga., found that slashers were not producing enough warps for the mill's looms. When slashers were speeded up, it was found that the warps were not dry enough.

The problem was put into the hands of Homer H. Grier, the plant's very able master mechanic. The result was that he not only solved the problem in a very satisfactory manner, but also secured a patent upon the arrangement.

Details of Invention

11

From Mr. Grier's patent papers (Serial No. 296,245) the following is quoted:

"This invention relates to a slasher and more especially to a particular arrangement of drying cylinders whereby yarn can be more efficiently and speedily treated. It is common practice in textile manufacturing to apply a coating of size solution to the warp strands so that the fibers will be consolidated thus giving added strength to the yarn. The size must be properly dried after it has been applied to the yarn so that it will not decay when wrapped into a package. This coating of dried size on the individual strands is of particular value when the yarn is woven into a fabric because the added strength and the consolidation of the fibers very often prevents the breaking of ends during a weaving operation.

"It is a well known fact that many mills have installed therein what is commonly known as normal two-cylinder slashers. These machines were designed for efficient work but in recent years they have often proved to be inadequate because their production is due primarily to the lack of drying surface which dries the yarn after it has passed through the size solution and before it is wound into a package. Also these slashers have been installed in the mill as close as possible to each other, or to other textile machinery, so as to conserve space in the mill. In order to prevent the respacing of the machines and at the same time to give the necessary additional drying surface, an additional detachable drying cylinder must be provided at a convenient location, which will not ordinarily interfere with the other portions of adjoining machinery.

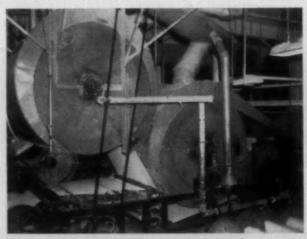
"It is therefore an object of this invention to provide an additional drying clinder for the normal two-cylinder slasher in a position above the lease rods on the slasher frame. Where the conditions warrant, it is preferable to

suspend this additional cylinder from the ceiling of the room in which the slasher is located so that the supporting framework for the same will not interfere with the manipulation of the lease rods and other operations performed in this vicinity of the machine.

A Great Improvement

"It is a further object of this invention to provide an additional cylinder above the lease rods of a normal two-cylinder slasher which is driven solely by the frictional contact of the yarn passing thereover and whose horizontal projection is disposed within the confines of the normal slasher frame therebelow. By providing suitable anti-friction bearings for this additional cylinder, the yarn can be caused to contact substantially the entire circumference of the cylinder thus insuring that the maximum drying surface will be utilized. Also by providing this additional cylinder, the conventional slashers which are now in use can be remodeled so as to be equivalent to, or better than, the latest up-to-date slashers.

"The added cylinder is positioned directly above the lease rods and above the comb, but due to the fact that it is suspended from the ceiling, the operation of these lease rods and the comb is not affected. This arrangement gives the added heating surface, which is desired in modern machinery and serves to increase the production without an expensive outlay for new equipment."



Slasher showing third cylinder application.

Notice to Textile Processors

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A new universal applicative penetrant for all fibers in any form or machine. Technical service available upon request.

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E. Perry Holder, president of the Vulcan Iron Works, Wilkes-Barre, Pa., has been elected president of the Wickwire Spencer Steel Co., Charles Allen, Jr., chairman of the executive committee, has announced. Mr. Holder succeeds E. C. Bowers, who has been connected with the company since 1911 and has been president since 1926. Mr. Bowers has resigned because of serious illness but will continue as a member of the board of directors and executive committee and act in an advisory capacity.

Practically all of Mr. Holder's career has been in executive positions connected with the manufacture and sale of steel and other metal products. During the N. R. A. he served on advisory board of three industrial organizations—laundry machinery, gasoline pump and centrifugal manufacturers. He was executive vice-president of American Machine and Metals, Inc., New York City, until 1937 and since 1940 has been president of the Vulcan Iron Works of Wilkes-Barre in complete charge of all operations. He is resigning the latter position to become president of Wick-wire Spencer.

Metallizing Co. Opens Eastern Headquarters

The Metallizing Co. of America announces the purchase of a new building, located at 135 Cedar Street, New York City, as Eastern headquarters for its sales and service operations in that area. L. E. Kunkler, president, stated that due to the sharply increasing demand for metallizing equipment, this new move makes possible an amplified service to all users in the East. The building is a complete operating unit with development and test laboratories, warehouse for metallizing guns, equipment, parts and wire, general service departments, as well as a demonstration shop, complete with equipment included in a typical operating metallizing set-up. V. A. Cook will continue in charge of Eastern operations.



Textile Course Begins This Month

T. R. Hart, supervisor of engineering, science and management war training at North Carolina State College, has announced that registration for a course in the fundamentals of fabric testing and analysis will be held at Central High School, Charlotte, N. C., at 7:30 p. m. Sept. 7.

Following registration, the class will meet three times a week, Mondays, Wednesdays and Fridays, for approximately 20 weeks. The course will be attended by a number of men and women connected with the textile industry in and around Charlotte.

Tilden W. Bridges, principal of the North Carolina Vocational School at Belmont, will instruct the class in textile fabrics and their construction Wednesday and Friday evenings. Charles B. Ordway, technical director at the American Aniline Products, Inc., plant at Charlotte, will spend Monday evenings teaching the physical and chemical properties of textile fibers and tests for their identification.

Physicists To Gather Sept. 17 and 18

A meeting of the informal group known as the Industrial Fiber Society and Textile Physicists will be held at Charlotte, N. C., Sept. 17 and 18, with headquarters at the Hotel Charlotte. Among subjects to be discussed during the two-day meeting are: the formation of special divisions within the American Physical Society; bringing about further recognition of the physicists in industry; pending Congressional legislation; vertical integration in industry-wide research; and post-war research and developments in the fields of textiles, plastics and rubber.

Those in attendance will gather at Hotel Charlotte Sept. 17, then attend a laboratory inspection, discussion and luncheon. Presentation of informal papers and discussion of them will take place Friday afternoon. A dinner at Hotel Charlotte will be held that evening. Saturday morning, Sept. 18, will be devoted to an open discussion on general topics.

Army Buying To Taper Off

The War Department has announced that cotton textiles buying by the Army beginning Oct. 1 would taper off with requirements next year 50 per cent lower than in 1942.

Deliveries on certain items also were to be cut 50 per cent in the fourth quarter in order to furnish more goods to the civilian market.

WE MANUFACTURE

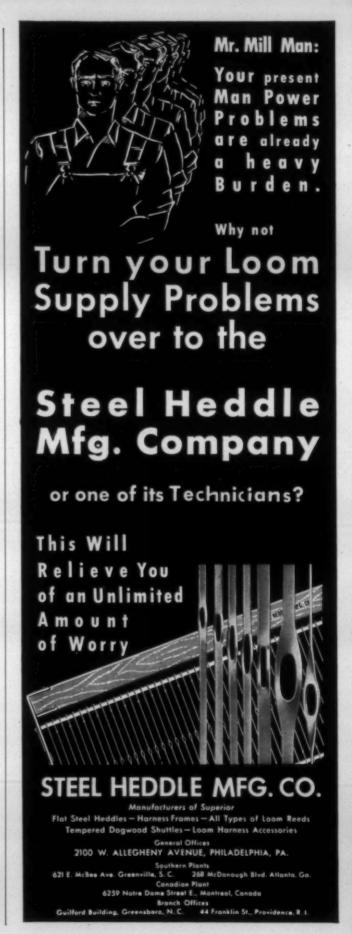
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Ed. S. Kempton, Pres.

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Sales Representative Available

Now selling to the textile trade in North Carolina and South Carolina. Would like additional line or would consider change to full time position. Full particular furnished upon receipt of reply to "Box W-B," c/o Textile Bulletin.

WANTED

Overseer Spinning, Large room, good salary, not too old, with good education. Room for promotion. Give references and all details in first letter.

Address "Box B-F," c/o Textile Bulletin.

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Four experienced roller coverers; 2 ementers; also 2 burners, with plenty of overtime and good pay.

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WANTED

Supervisor for cotton and rayon narrow fabric mill sit-uated in the South. Textile graduate preferred who can design patterns, supervise warpers, weavers and loom fixers. Excellent opportunity for practical man with executive ability. Good salary, permanent position.

Write fully to "X. Y. Z.," c/o Textile Bulletin.

1 No. 3 Superior Ram Type, Six Hole Hexagon Turret Screw Ma-chine, Hand Feed, Three Step Cone Drive, with Countershaft, Oil Pan and Pump, and large number of collets. \$750.00.

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Ample shipping facilities. Reasonable taxes. Book value stock over \$300.00 per share. Produced over \$600,000.00 worth of

share.

Produced over \$600,000.00 worth of paid for goods 1942, at a profit.

Reason for selling, age and health of owner.

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SUPERINTENDENT, now e m ployed, would consider change to better position as Superintendent or Manager. 43 years of age, family, energetic, efficient, with years of successful experience on all types of cotton yarns and cloth. Am not interested in offer for duration. Address "K. L. L.," c/o Textile Bulletin.

WANTED—Position as Cloth Room Overseer; age 33, now employed by large corporation as second hand in South Carolina mill. Married, sober. Have one child. 15 years' experience with twills, sheetings, jeans. Satisfied with present job, but salary too small. Prefer Carolinas. References upon request. Address "J-A," c/o Textile Bulletin.

SUPERINTENDENT-CARDER, Services available. Experienced on all staple and grade cotton; plain and fancy weave. References. Address "Box G-A," c/o Textile Bulletin.

SECOND HAND wants to change. Ten years' experience on cotton and rayon; also qualified trainer to present J. I. T. and J. M. T. Knows how to handle help and get production; would like a small card room or assistant overseer in large mill. Address "Cardroom," c/o Textile Bulletin.

SUPERINTENDENT Carded Yarn Mill Available. Several years' experience on warp and knitting yarns with wide range of numbers, plies and packages. Age 37, married, one child eight years old: draft class A-3; good education, with years of successful experience. Not interested in offer for duration. Address "Box 33," c/o Textile Bulletin.

NIGHT SUPERINTENDENT wants to change to day work. Age 43, married and sober. Good habits, Have no trouble with help. Can change on 30 days notice. Have 20 years' experience on cotton carded yarns, "Write "J," c/o Textile Bulletin.

WANTED—Cloth Room Overseer's posi-tion. Married, age 42. Good manager of help, familiar with handling large job on plain and fancy fabrics. Now em-ployed; desire a change. Good refer-ences. Address "Box 213," c/o Textile Bulletin.

OOPER AND SEAMER FIXER and Foreman, working now but for personal reasons desires to locate in or near Charlotte. Age 44, in good health, 25 years of fixing experience and can give you service that will give satisfaction. Can furnish references. Address "Fixer," c/o Textile Bulletin.

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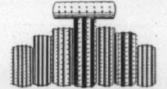
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 Heads with motors.
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 29—Amer. Moist. Co.'s Ideal Humidifier Heads with Motors.
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 1—12x8 Ingersoll Rand Air Compressor with Tank.
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P. O. Box 533, Charlotte, N. C.

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Now employed in a Southern mill, but would like to change for a better position as Superintendent or Manager, or General Superintendent of a group of mills. Have a record of several years' successful experience on all kinds of colored work, both plain and fancy weaving. Can furnish best of references both as to character and ability. Married, have a family, draft exempt.

Please address "C. O. M.," c/o Textile Bulletin.

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POSITION Offering Permanence and Security

is open with National Manufactur-Technical education and mill experience in textiles plus good sales record and following among Southern cotton mills essential. Here is real opportunity to establish yourself for the duration and the years to follow. In reply give complete detailed account of experience, education and salary de-

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WANTED-Tire Fabric Expert

Fine opportunity in large tire fabric mill located in South. Must have experience in all phases of cotton tire fabric manufacturing.

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OBITUARY

EDWARD F. WOODSIDE

Edward F. Woodside, for many years a prominent figure in the Southern textile industry, died at his home in Greenville, S. C., August 20. He began work for the late Captain E. A. Smyth and was at one time paymaster for Pelzer Mills. He built and served as first president of Simpsonville (S. C.) Cotton Mills, and when this plant was merged with Woodside Cotton Mills Co. he became general manager. He later served as president of Easley Mills when it became a part of the Woodside group.

GEORGE W. MERROW

George Woodbridge Merrow, a director and for many years secretary and treasurer of Merrow Machine Co., Hartford, Conn., died recently at his home in that city in his 92nd year.

Mr. Merrow spent his entire business life in connection with the Merrow interests which included merchandising, a knitting factory and the manufacture of industrial sewing machines, in close association with his brother, Joseph M. Merrow, president of the Merrow Machine Co. Until his retirement several years since, George W. Merrow devoted his attention largely to administrative and sales matters, particularly to the establishment and development of the company's sales outlets both in this country and abroad.

CARL H. HAZARD

Carl H. Hazard, president of the advertising agency bearing his name, died at his New York City residence August 23 after an illness of more than a year. Born in Stamford, Conn., he was 49 years old. Mr. Hazard was widely known in the chemical and industrial advertising fields for more than 22 years. His entire business career had been in sales and advertising activities. While in his early twenties, Mr. Hazard was sales and advertising manager of American Synthetic Color Co., later joining the H. A. Metz Laboratories, Inc., as advertising manager, in which capacity he served until he joined the U. S. Army Chemical Warfare Service during World War I. It was immediately after the war, in 1920, when Mr. Hazard founded Hazard Advertising Corp., New York, drawing upon his background of sales and advertising experience to establish a nucleus of accounts on which he built his advertising agency.



A Streamlined System of Baling Cloth

(Continued from Page 12)

enough "give" to allow the sides of the pallet to find a

solid foundation upon the press base.

The rolls of baling bands are carried in the head of the press and can be slipped easily around the bale, with application of buckles following. When the work of the press is done the bale is pushed forward to the point shown in the lower left hand illustration, where the pallet top is level with the top of another set of rollers. Bales are pushed to this track where they can be turned and moved while being stenciled and sewn. The entire operation takes place without lifting the bales. When a pallet is relieved of its load, it pushed back a few feet, the track is opened by a lever, and the pallet rolls down to the lower level track for re-use.

The lower right hand picture shows the complete unit. At the farther end are a number of packages which have been prepared and are ready to go through the baling process. One bale is in the press and has been compressed while still on its pallet. Three other bales have been passed from pallets to the slightly higher roller track, where they have been stenciled and sewn.

While the entire system is the idea of H. W. Warren, regulations forbid a Government employee to patent anything developed while in Federal service, and anyone has a right to duplicate the procedure.

Colonel C. W. Woodward, the commanding officer at Charlotte Quartermaster Depot, Major Hugh O. Clark, Jr., the public relations officer, and Mr. Warren are very proud of this baling system.

Under a recent act of Congress which provides for prizes

to war workers who have suggested new or improved methods of manufacturing or handling of war goods, Mr. Warren has been awarded 50 dollars for developing his baling system.

Personnel Conference Is Scheduled

The third annual Southeastern Personnel Conference will be held this year at Charlotte, N. C., Sept. 20-22, according to Frank T. de Vyver, secretary of the conference committee.

The meeting of personnel directors, usually held at Duke University, Durham, N. C., was scheduled for Charlotte because of crowded conditions at the university. It will begin the evening of Sept. 20, end about mid-day Sept. 22.



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We will welcome the opportunity to discuss your problems of merchandising and distribution

Cotton Goods Market

NEW YORK.—As is usually the case, reports of coming better conditions in the market have cropped up recently, while right on top of them have come assertions that things will have little chance to improve in the near future.

Attention in various sections of the cotton gray goods market have been focused on the plan to ship 150 million yards of gray and finished cottons annually to Latin-American countries, with opposite views expressed as to the possible success of such a program. Much interest was directed to this plan, in view of the current market condition, with some taking the stand that the amount could be filled without causing too much of a hardship considering the long term program. Others, however, were equally as convinced that this would be unfeasible, and that to go through with it would be discriminating against domestic customers.

The program as understood in the market calls for figuring the minimum requirements for the Latin-American markets at 150 million yards, which is considerably below the normal exports and breaking down shipments of these goods on a quarterly basis. Periodic shipments would be regulated by export licenses from the Office of Economic Warfare and would carry an A-2 priority rating.

The question of having the A-2 honored, however, was viewed as presenting a problem, since there are so many superseding priority ratings in the market. On the other hand, the stand was taken that American exporters should be given every chance to preserve any foothold they may have in Latin America, and that the outlet for goods in these markets would be sorely needed should any situation develop whereby the supply exceeded the demand.

Buyers of linings and underwear fabrics appear greatly upset over the outlook for future supplies, as a result of the recent placement of contracts for fragmentation chute cloth. The extension of these contracts is generally believed to be much greater than at first intimated, and the total yardage for the three procurements is said to run in the neighborhood of 90 million yards.

Although not directly affecting the civilian supply, since the use of nylon has been restricted for military uses only, the recent awards made for nylon escape parachutes is believed to be slightly under 20 million yards. These contracts are believed to have been given to between 45 and 50 mills, and that the deliveries, which begin in October, will run for a perfiod of seven months through April.

Announcement by the War Department that it was permitting mills to defer deliveries on three types of cotton textiles as well as the fact that the Army plans to reduce its purchases of these styles 50 per cent in 1944, have raised the hopes of buyers.

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NEW YORK

Cotton Yarns Market

PHILADELPHIA.—With few exceptions, the civilian supply of cotton yarn is as tight as ever, and this despite the fact that there has been widespread speculation among consumers that there will be an easing of the situation.

The Army's withdrawal from tan mercerized cotton socks procurement and the partial deferment of deliveries on poplin and twill, encouraged civilian consumers of yarn to immediately expect enlargement of their supply.

Yarn suppliers on the market state that the more they investigate the details, the more it appears that civilian consumers' expectations will dwindle. On the surface, they say, it would seem there should be a release in October of some combed yarn and a little more carded. But some of the weaving mills that ordered sale yarn to supplement the output of their own spindles are now reported to have been late with their Army cloth deliveries, so that part of the October-December period will be taken up with this belated work, so as to avoid being penalized.

Despite Government deferment in part of the fourth quarter deliveries on carded 8.2-ounce Army twill, some of the counts involved are still heavily required for other wartime uses and at times have been in short supply for these purposes.

Sale yarn mills have been reported as seeking clarification of Army and WPB rulings affecting disposal of "overrun" yarns resulting from cancellation of wartime contracts, or reduction and/or deferment of deliveries. Army spokesmen are said to have informed spinners' representatives that the yarn mills are at liberty to dispose of "overrun" yarns without receiving special permission from WPB. But at the Army Depot here it was stated the WPB has been asked to confirm this understanding.

It has been noted that the average carded yarn spinner is not very liberal in booking business ahead. Among the reasons advanced for this have been that: (a) the spinners still believe some measure of price relief will be granted in the yarn industry; (b) wartime subcontracts are widespread in the yarn industry and there is considerable worry as to how the Government's arrangements for termination of war contracts will work out; (c) cotton quotations have been easing on the principal markets, but not nearly enough to offset spinners' alleged lack of operating profits under the present OPA ceiling prices; (d) the yarn mills' labor situation, in general, has continued to deteriorate and this trend toward a reduced output of yarn at higher unit cost may keep on for months.

J. W. Valentine & Co., Inc.

Selling Agents

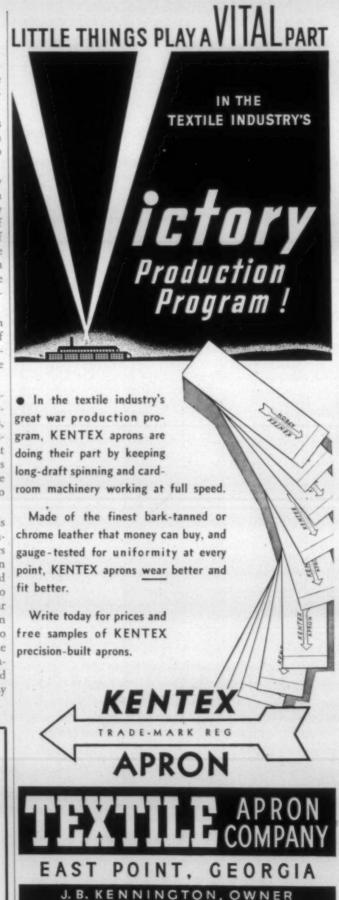
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Southern Representative
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Little Product-Big Job!

Ring travelers in themselves are tiny products... but the job assigned to them today is mountainous!

Dary Ring Travelers are built to successfully accomplish the spinning and twisting jobs cre-ated by today's huge production demand.

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Short Center Drives Fiber and Metal Pulleys Bushings and Accessories Leather Belting V-Belts and Sheaves Veelos Adjustable V-Belts

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SAFETY

Floors scrubbed regularly with Mi-Cleanser are never slippery - even when wet. It is your best insurance against lost time accidents from slipping.

e DENISON MANUFACTURING CO ASHEVILLE NORTH CAROLINA

Practical Textile Designing

(Continued from Page 14)

used in combination with a rayon filling spot on a plain

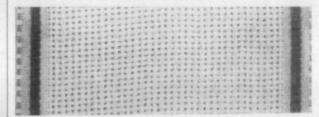
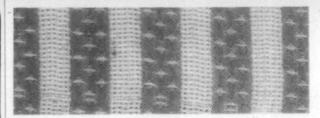


Fig. 252-C illustrates a fancy cotton warp, rayon filling dress goods. The three and three imitation leno weave is



252-B

used in combination with two narrow stripes of maroon on a plain ground.

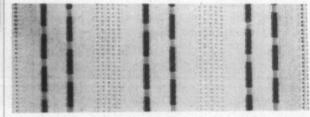
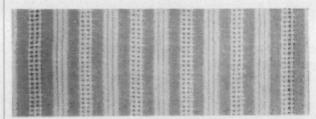
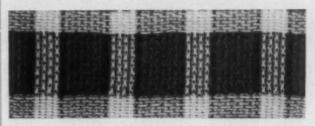


Fig. 252-D illustrates a striped dress goods fabric made with the three and three imitation leno weave in combination with plain stripe and warp pique.



252-D

Fig. 252-E illustrates a checked dress goods fabric made with the four and four imitation leno weave.



252-E

National Safety Congress To Be Held October 5, 6 and 7

The National Safety Congress, in Chicago October 5, 6 and 7, will mark one of the most important milestones in the entire history of the accident prevention movement.

Last year's congress started the machinery of the nationwide drive to save manpower for warpower. With that campaign in high gear this year's program is devoted exclusively to accident problems which have a direct bearing on prosecution of the war and winning it.

The National Safety Congress, which is the annual convention of members of the council and other safety leaders in the military, agricultural, industrial and civilian life of the country, actually is 26 conventions within a convention, and annually draws 10,000 safety leaders from all over the country. The 5,700 corporate and other members of the council are classified in 26 membership sections, according to type of industrial enterprise represented by each mem-

Each of these 26 sections conducts its own congress program, thus bringing purposeful emphasis to the particular accident problems current in every kind of industry.

Cutting across interest in all sections will be many subject sessions, covering problems that confront all industries.

One of the outstanding features planned for industrial leaders is a labor and safety session October 7. Daniel S. Ring, director of the division of shipyard labor relations, U. S. Maritime Commission, will serve as chairman and some of the nation's outstanding labor organization leaders will participate.

All in all, there will be more than 500 program participants in 200 congress sessions. The list of exhibits for the exposition already exceeds 150. Every session, every exhibit, every speech will be tuned to victory.

The Sherman, La Salle and Morrison are the convention hotels

A. A. T. C. C. Contest Is Scheduled

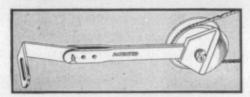
The annual intersectional contest of the American Association of Textile Chemists and Colorists will be held in New York City on Friday evening, October 22, in conjunction with the regular meeting of the New York Section. Kenneth H. Barnard, chairman of the intersectional contest committee, has announced that each section will submit advance copies of its paper so that the judges may preview the papers. The awards will be made the evening of presentation.

Twenty minutes will be allowed for the presentation of each paper and the following scale of values will be used in judging them: practical value—30 per cent; scientific value—30 per cent; originality—30 per cent; presentation—10 per cent.

Several of the papers presented at last year's contest were very helpful to the association's research committee and to the war effort of the entire textile industry. It is anticipated that the contest this year will also result in valuable contributions to the textile industry.

Some cotton uniforms purchased by the Quartermaster Corps for American troops are impregnated with a special gas-proofing solution as an added precaution against chemical warfare

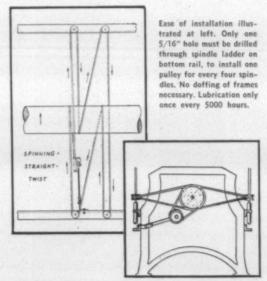
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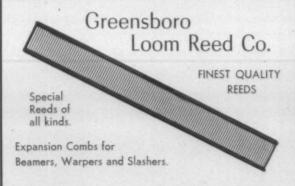
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Womanpower in the Textile Industry

(Continued from Page 10)

Special campaigns should be carried out periodically to secure women's assistance in the maintenance of good housekeeping in toilet, rest and dressing rooms.

Facilities for washing should be convenient, with hot and cold water running, soap and individual towels provided. For some types of work, shower bath facilities are highly advisable. Sanitary napkin dispensers are provided by some companies. Disposal cans should be available at all toilets.

Any company that is hiring women for the first time, or employing many additional ones, should survey the plant carefully to (a) determine what jobs can be handled safely and effectively by women, (b) determine what jobs or machining processes must be adapted to woman labor by re-engineering, (c) Should study all state and Federal requirements pertaining to employment of women, making physical changes or additions where necessary, (d) determine where the training of women should be given, and if in the plant, provide suitable facilities, (e) study employment policies and procedures in occupations in which women have never been employed, and fit them as much as possible to the capacities of women, (f) establish a procedure to assist women in adjusting themselves to industry, (g) keep separate absence and accident records for men and women.

The following statement was made by Miss Mary Anderson, director of the Women's Bureau, U. S. Department of Labor, before the National Safety Congress last year.

"We must now expect to call into our war plants greater numbers of women without previous industrial experience. Some are just out of school and lack any kind of work experience. A green worker, man or woman, is a liability until safe and efficient work habits become second nature. The pressure of high speed war production does not relieve management of the responsibility of giving time and attention to teaching new workers how to conserve their energies for production, how to reduce accident and health hazards, and how to use safety devices. It is important not only to demonstrate how but why.

Recommendations About Clothing

"Closely related to machinery and the jobs on which women are working is the question of women's work clothes. Here, I feel, the experience and point of view by the Women's Bureau have special value to management and workers. Women's ordinary street clothes are not practical in the plant. We all agree on certain basic requirements for factory work clothes for either men or women: not too tight to hinder free movement, not too close to get caught in machinery; pockets only when they are not a hazard and then limited to certain types; no jewelry, including rings and watches; hair completely protected; and well-fitted shoes completely covering the foot, with extra toe or other protection where necessary. On some jobs trousers are most practical. On many other jobs women can wear a simple type of dress. The Women's Bureau has never encouraged a rule of thumb requirement for work clothes. We do say that the work clothes should be adapted to the particular job, with all the necessary safety precautions taken into consideration."

How should a superintendent or overseer treat women

under him? The following rules have been suggested as a guide so that he may avoid the pitfalls and dangers inherent in supervising women:

1. He should be friendly but impersonal.

- 2. He should avoid too close personal interest.
- 3. He should control his temper in dealing with women.
- 4. He should avoid public disciplining of women.
- 5. He must be consistent in his administration of dis-
- 6. Where trouble arises he must always get all the facts.
- 7. He must allow women an occasional opportunity to 'blow off steam."
- 8. He must give them an answer to every complaint.

What of mothers with children which need supervision and watching over during the day? Employers agree that working mothers will not do good work until assured that their children are safe. Only a very few textile mills have evolved plans for nursery schools or day care for children. As a result, trained women are leaving their jobs because they cannot find any way of having their children cared for during their absence from home.

The solution of these problems is a large job for any mill executive. But their solution is very necessary because, except in rare cases, new workers can be found only in the ranks of women.

Note: This article was prepared with the co-operation of the George S. May Business Foundation and the National Safety Council.

Stockholders Told of Rayon War Uses

A booklet entitled "Rayon Goes To War" has been mailed to stockholders of the American Viscose Corp. with the current dividend checks, the aim of the company being to keep its stockholders advised concerning the more important uses of rayon in the war effort. The booklet is largely pictorial and contains pictures that illustrate bombers and military vehicles equipped with rayon cord tires, fragmentation bomb and cargo parachutes, aerial tow targets, rayon wire covering for portable airfield lights and rayon uniform linings.

The copy describes briefly the part that American Viscose Corp. research has played in developing rayon yarns suitable for military uses. "The real war story of rayon begins long before Pearl Harbor and the stoppage of silk imports," the booklet points out. "For as a result of continuous research over the years in the American Viscose laboratories, rayon was in a position to move directly toward the

fighting fronts when war came.

After touching upon the many years of research that were devoted to the development of rayon tire cords, the booklet states: "Similarly, stronger rayon yarns were originally devised to answer the demand for durable fabrics for many civilan uses. Now this rayon yarn makes cargo chutes, mine-laying chutes and fragmentation bomb chutes." These developments, it is pointed out, demonstrate the value of continuous research. "The steadfast purpose of this research," the booklet concludes, "has been to develop new yarns and improved fabrics from the basic fiber, rayon, for America."

All cotton fabrics for our fighting forces, except special flight and ordnance items, are tested by the Quartermaster Corps. Some fabrics are even buried to test preservative powers of dyes and special treatments.

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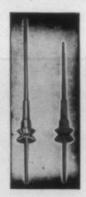
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Fibrous Glass Textile Situation Eased To Some Degree

Users of fibrous glass textiles should make their wants known to producers of this material in sufficient time to permit the manufacture of adequate quantities of the types desired, the cork, asbestos and fibrous glass division of the War Production Board stated recently.

Production of fibrous glass textiles has increased to the point where difficulty experienced in obtaining them is more often due to failure to make requirements known sufficiently ahead of time, than to shortage of the glass textiles, it was explained,

While fibrous glass textiles have been under allocation by WPB Conservation Order M-282 effective since April 1, 1943, a large increase in output has been achieved by expansion of facilities and by increased manufacturing efficiency. A new fibrous glass textile plant in Pennsylvania, which will go into production in the fall, will ease the situation further. The list of authorized end uses of fibrous glass textiles has been increased during the past months, and a further extension of the list may be expected.

The fact that fibrous glass textiles are under allocation has led some manufacturers or users to conclude that they would be difficult or impossible to obtain, even for experimental purposes, and even when the end uses would justify allocation. Such manufacturers are unlikely to experience difficulty, provided purchase contracts specifying future deliveries are placed with the producer sufficiently in advance of delivery date specified, according to Earl F. Swaim, chief of the fibrous glass section of WPB.

Glass textiles are manufactured in more than 200 different forms, according to Mr. Swaim. The quantity of each available for distribution in any month must be planned for in advance, he explained. Sufficient quantities of each type or form to meet requirements will be made available when users make their needs known in sufficient time for them to be taken into consideration when production is planned. Greater use of standard dimensions will also contribute towards balancing supply and demand, it was stated.

The War Production Board's allocation method operates in favor of those applicants who place requirements purchase contracts with producers. Such contracts shall incorporate a schedule of deliveries specifying the quantity of each product requested for delivery in each of a series of months beginning not earlier than the third month following the month during which the contract was placed.

Fibrous glass yarns are now being fabricated into the required textiles forms in some 30 plants, and are being incorporated into end products by manufacturers in nearly every state.

Alkyd Resins in Textiles

Alkyd resins, obtained by the reaction of glycerine with polybasic acids such as phthalic anhydride have been adapted in a variety of ways to meet the requirements of the textile industry. A check of the technical and patent literature reveals conclusively the extent to which these resins, alone or in combination with other synthetic resins, have already found many important uses in the treatment of textiles and in the creation of special finishes for fabrics.

Summer Sunlight Closely Copied By Using 15-Lamp Combination

Development of a "Simulated Sunshine Generator," which, for the first time closely approximates standard summer sunlight through a combination of 15 lamps of "various spectral energy emissions" is announced by the Hanovia Chemical & Mfg. Co., Newark, N. J.

The announcement was withheld pending conclusion of tests of the generator, made during the past several months by the Folmer Graflex Corp. of Rochester. One of the first units produced is being used successfully today by that company to test the light-tightness of photographic apparatus being manufactured for the armed forces.

Other applications for this light source are accelerated fading, aging and weathering tests, such as are conducted in many industries, for dyestuffs, paints and varnishes, roofing materials, textiles and rubber, or "wherever materials are involved that should be tested to determine the influence of sunshine."

The 15 lamps in the unit are a combination of four Hanovia S-4, ten Hanovia H-5, and one 1,000 watt tungsten incandescent lamp. They are mounted on a chromium reflector. Radiations cover an area of 1,256 square inches, which is equivalent to a circle of 40 inches in diameter.

Compared with data on June sunlight at 40 degrees north latitude assembly by Dr. Edison Pettit, Mount Wilson Observatory, and Dr. Wm. W. Coblentz of the National Bureau of Standards, the Simulated Sunlight Generator provides "somewhat less ultraviolet and visible radiations and about twice as much infrared radiations as does standard sunlight."

"This is the closest approximation of standard summer sunshine ever achieved by artificial means, according to a definite measurement of the energy in microwatts per square centimeter," the company states.

The comparison covered the different wavelengths in angstrom units of ultraviolet, visible and infrared light.

Identification Easier With Cloth Squares

Brightly colored squares of cloth used to identify Army ground equipment and prevent American planes from attacking their own troops are coated with ethyl cellulose, Hercules Powder Co. reports.

These patches of cloth, some of them only a few feet square, can be seen two miles up by fighter planes going at top speed. The Army uses a special ethyl cellulose coating because tests show it will remain fully flexible in winter cold and not get tacky in summer heat. No other type of coating tested measured up to Army requirements. The color will not run, and it is possible to keep the reverse side of the identification cloth panel a pure white color.

Hercules was the first chemical company to manufacture ethyl cellulose in this country and has recently announced plans to double output. Based on either cotton or wood pulp, combined with alcohol, ethyl cellulose is under allocation for use in plastics, textile coatings and other war needs.

Treated cotton fabrics form an important part of the inflatable life boats and rafts which have saved the lives of hundreds of American seamen and aviators during the past two years.



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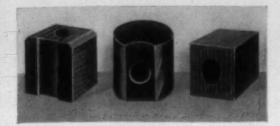
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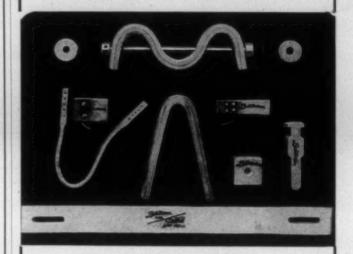
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